| Inde | ex of Claims |
|------|--------------|
|      |              |

| Applica | ation/ | Contr | ol No. |
|---------|--------|-------|--------|
|---------|--------|-------|--------|

10/616,141

Examiner

Jason H. Johnsen

Applicant(s)/Patent under Reexamination

PAULS ET AL.

Art Unit

1624

√ Rejected
= Allowed

(Through numeral)
Cancelled

Restricted

Non-Elected
I Interference

A Appeal
O Objected

| Cla      | aim                   | Date       |  |              |  |  |              | Claim Date   |                 |          |          |          |              |  | 1        | С        | aim      | Date |      |          |   |              |            |          |          |          |          |          |                 |          |               |          |
|----------|-----------------------|------------|--|--------------|--|--|--------------|--------------|-----------------|----------|----------|----------|--------------|--|----------|----------|----------|------|------|----------|---|--------------|------------|----------|----------|----------|----------|----------|-----------------|----------|---------------|----------|
|          | Ι                     |            |  |              |  |  |              |              |                 |          |          |          | Т-           | Т  | T        | 1        | <u> </u> |      | Date |          |   |              |            |          |          |          |          |          |                 |          |               |          |
| Final    | Original              | 4/3/06     |  |              |  |  |              |              |                 |          | Final    | Original | 4/3/06       |  |          |          |          |      |      |          |   | Final        | Original   |          |          |          |          |          |                 |          |               |          |
| ΙĪ       | Ö                     | 4/3        |  |              |  |  |              |              |                 |          | 🗓        | Q ji     | 4            |  |          |          | -        |      |      |          |   | i Ē          | ļ ģ.       |          |          |          |          |          |                 |          |               |          |
|          | 1                     |            | -  | _            | $\vdash$   | ├  | ⊢            | ├            | $\vdash$        |          |          | 51       | N            | H  | -        | $\dashv$ | -        | +    | ╁    | +-       |   | <u> </u>     | 101        | Н        | $\vdash$ | $\dashv$ | _        |          | $\vdash$        |          | $\dashv$      | $\dashv$ |
|          | ==                    | <u>-</u>   | <del> </del>                                     |              | ┢  | -  | ⊢            | ╁            | $\vdash$        | -        | -        | 52       | N            | $\vdash$   | $\dashv$ | $\dashv$ | -+       | +    | +    | +        |   | <del> </del> | 102        | Н        | $\vdash$ |          |          |          | ├─┤             |          |               | $\dashv$ |
|          | 3                     | ├-         |  |              | -  | ╁╌   | -            | ╁            | Н               | -1       | -        | 53       | N            | <del>                                     </del> | $\dashv$ | $\dashv$ | $\dashv$ | +    | +    | ┿        |   |              | 103        |          | -        |          |          | -        | Н               | $\dashv$ | $\dashv$      | ᅴ        |
|          | 4                     | =          | <del> </del>                                     | _            | ├-   | -  | ├            | ╁            | $\vdash$        | $\dashv$ | $\vdash$ | 54       |              | <del>   </del>                                   | $\dashv$ | +        | +        | +    | +    | +        | 1 |              | 103        | Н        |          | -        |          | -        | H               | -+       | $\dashv$      | $\dashv$ |
|          |                       |            | ⊢  | _            | $\vdash$   | ⊢  | ├            | ⊢            | -               | $\dashv$ |          | 55       | N            | $\vdash$   | $\dashv$ | -+       | -        | +    | ╁    | +-       |   |              | 104        |          | $\dashv$ | -        |          |          | Н               |          | -+            | $\dashv$ |
|          | 5                     | _          | ₩  | ┝            | <u> </u>   | ╀  | ├-           | ┼—           |                 | -        | <u> </u> |          | N            | ╌┤   | $\dashv$ | +        | -        | +    | ╫    | +        | ł |              |            | _        | $\dashv$ | _        |          |          | Н               | -+       |               |          |
|          | -6-                   |            | -  | -            | -  | ⊢  | -            | -            | -               |          |          | 56       | N            | $\vdash\vdash$                                   | +        | 4        | -        | -    | +-   | ╁—       | 1 |              | 106        |          | $\dashv$ | _        | -        |          | Н               | $\dashv$ | $\dashv$      | $\dashv$ |
| _        | <del>-7</del><br>8_   | =          | ⊢  | $\vdash$     | -  | H  | ┝            | -            | $\vdash$        |          |          | 57       | N            | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ | +    | +    | -        | ł | <u> </u>     | 107        |          | $\dashv$ | $\dashv$ |          |          | $\vdash$        | $\dashv$ | $\dashv$      | $\dashv$ |
|          |                       | $\vdash$   | _  | -            |  | <u> </u>   | <u> </u>     |              | H               |          | -        | 58       | N            | $\vdash\vdash$                                   | -+       | +        | $\dashv$ | +    | +-   | ╂        | 1 | ļ            | 108        |          | $\dashv$ |          | _        | _        | $\vdash$        | $\dashv$ | $\dashv$      | $\dashv$ |
|          | 9-                    | $\vdash$   | -  | -            | -  | -  | -            | $\vdash$     | Н               | $\dashv$ | -        | 59       | N            | ┝╌┤  | -+       | -        | +        | +    | ┿    | ┿        |   | <u> </u>     | 109        |          |          | $\dashv$ | _        | $\dashv$ | Н               |          | $\dashv$      | 괵        |
|          | -10-                  |            | ⊢  | ├            | -  | ├  | <u> </u>     |              | $\vdash$        | $\dashv$ | <u> </u> | 60       | N            | ⊢  | -        | $\dashv$ | +        | +    | +    | +        |   |              | 110        |          | $\dashv$ | -        |          |          | Н               |          | $\dashv$      | ᅴ        |
| <u> </u> | 11                    | =          | -  | $\vdash$     | $\vdash$   | ₩  |              | ├            | Н               | $\dashv$ | <u> </u> | 61       | N            | $\vdash \vdash$                                  | $\dashv$ | $\dashv$ | +        | +    | +-   | +-       |   |              | 111        | $\vdash$ | $\sqcup$ | -        |          |          | Н               |          | $\dashv$      |          |
| -        | 12                    | =          | $\vdash$   | <u> </u>     | -  | <b> </b>   | $\vdash$     | <b>!</b>     | -               |          |          | 62       | N            | $\vdash \vdash$                                  | $\dashv$ | +        | +        | +    | +    | +        |   |              | 112        | $\vdash$ | $\Box$   | -        |          |          | Н               |          | -             |          |
|          | 13<br>14              |            | -  | <del> </del> | ├-   | ├—   | ├            | -            | -               |          |          | 63       | N            | $\vdash$   | $\dashv$ | +        | +        | +    | +    | $\vdash$ |   |              | 113        |          | $\dashv$ | $\dashv$ |          | $\dashv$ | $\vdash \vdash$ |          | $\dashv$      | $\dashv$ |
|          | 15                    | -          | $\vdash$   |              | <del>                                     </del> | $\vdash$   | -            |              | $\vdash$        | $\dashv$ | -        | 64       | ├            | $\vdash \vdash$                                  | -        | $\dashv$ | +        | +    | +    | +        | l | <u> </u>     | 114        | $\dashv$ | $\dashv$ | $\dashv$ |          |          | Н               |          | $\dashv$      | 4        |
|          | 16                    | =          | $\vdash$   | i –          | ⊢  | <del>                                     </del> | ⊢            | <u> </u>     |                 |          | -        | 65       |              | ├─┤  | $\dashv$ | -+       | -+       |      | +    | +        | l | <u> </u>     | 115        | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\vdash$        |          | $\dashv$      | -        |
|          | 17                    | _          | <del>  -</del>                                   | -            | ├-   | ├  | ⊢            | -            | -               | -        | -        | 66<br>67 | ├            | $\vdash$   | +        | $\dashv$ |          |      | +-   | +        | l | <u> </u>     | 116        | $\dashv$ | $\dashv$ |          |          |          | $\vdash\vdash$  | -        | -             |          |
|          |                       | <u> </u>   | -  | <del> </del> | <del> </del>                                     | <b>-</b>   | -            | <u>—</u>     |                 | -        | -        |          | ├            |  |          | -        | +        |      | -    | +-       |   | <u> </u>     | 117        |          | $\dashv$ |          | -        | $\dashv$ | -               | -        | $\dashv$      | $\dashv$ |
|          | 18<br>19              | -          | <del>                                     </del> | <u> </u>     | ⊢  | ₩  | ⊢            |              |                 |          | -        | 68       | ├            | <del></del>                                      |          |          |          |      | +    | +        | l | <u> </u>     | 118        | -        | $\dashv$ | $\dashv$ |          |          | -               | -        | -             | ᅴ        |
|          | 20                    | <u> </u>   | -  | ├            | _  | ╄  | <u> </u>     |              |                 |          | <u> </u> | 69       | -            | $\vdash$   | -+       |          | +        | +    | +-   | ╂        | l | ├            | 119        | _        |          |          |          |          | -               |          | $\dashv$      | -1       |
|          |                       | ┡          | H  | <u> </u>     | $\vdash$   | -  | <u> </u>     | _            | Н               | -        | -        | 70       | -            | $\vdash$   | $\dashv$ | +        | +        | +    | +-   | ┼        | l | -            | 120        |          |          |          | _        |          |                 |          | _             | $\dashv$ |
|          | 21-                   |            | H  | ├            | <del> </del>                                     | ▙  | ⊢            | _            | Н               |          | -        | 71       | <u> </u>     | $\vdash$   |          | -+       | +        | +    | +    | ┼        | ł |              | 121        | -        |          |          |          |          |                 |          |               | -        |
|          | 22                    | -          | -  | <u> </u>     | -  | <del> </del>                                     | <del> </del> |              | H               | -        | -        | 72       | <u> </u>     | $\vdash$   | $\dashv$ | -+       | -        | -    | +-   | ┿        | 1 | -            | 122        | $\dashv$ | $\dashv$ | $\dashv$ | _        |          |                 |          | $\dashv$      |          |
|          | 23                    | -          | -  | -            | -  | -  | <del> </del> | -            |                 | -1       | -        | 73       | -            | $\vdash$   | _        | +        | _        | -    | +-   | ┿        |   | <u></u>      | 123        |          | -        | -        | -        |          |                 | -        | $\dashv$      | -        |
|          | 24                    |            | <u> </u>   | <del> </del> | -  | ├  | ⊢            | _            | $\vdash$        | -        | -        | 74       | _            | $\vdash$   |          |          |          | -    | ╁    | +        |   | <u> </u>     | 124        | -        |          |          |          | -        |                 |          | -             | $\dashv$ |
|          | 25                    |            | -  | -            | -  | ⊢  | H            |              | Н               | $\dashv$ | -        | 75       | ⊢            | $\vdash$   | $\dashv$ |          | -        | +    | +-   | ┼        |   | <u> </u>     | 125        | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |                 | -        | _             | -1       |
|          | <del>26</del> -<br>27 |            | _  | <u> </u>     |  | ├  | -            |              | H               |          |          | 76<br>77 | <u> </u>     | $\vdash$   | $\dashv$ | +        |          | +    | +    | +        |   | <u> </u>     | 126        |          |          |          | $\dashv$ |          | Н               |          | -             | $\dashv$ |
| _        | 28-                   | <b>!</b> — | H  | ⊢            | <del> </del>                                     | ⊢  | ⊢            | -            |                 | $\dashv$ | -        | 78       | ├            |  |          | $\dashv$ |          | -    | +    | +-       |   |              | 127        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | Н               | -        | $\dashv$      | $\dashv$ |
|          |                       | -          | _  | -            | ├  | ├  | -            | $\vdash$     | Н               | $\dashv$ | <u> </u> | 79       | -            | $\vdash$   | $\dashv$ | $\dashv$ | +        | +    | +    | +-       | 1 |              | 128        | $\dashv$ |          |          | 1        |          |                 | $\dashv$ | $\dashv$      | $\dashv$ |
|          | 29<br>30              |            |  | ⊢            | ⊢  | ⊢  | -            | -            |                 |          | -        | 80       | ⊢            |  |          | $\dashv$ | +        |      | +-   | +        |   | <u> </u>     | 129<br>130 |          |          | $\dashv$ | $\dashv$ | $\dashv$ | Н               | -        | +             | $\dashv$ |
| •        | 31                    | -          | _  |              |  |  | -            | _            | $\vdash$        | -        |          | 81       | ├            | $\vdash$   |          | -        | -+-      | +    | +    | ╁        | l | <u> </u>     |            |          | -        | $\dashv$ | $\dashv$ | -        | -               | -        | $\dashv$      | ᅱ        |
| =        |                       |            |  | ├            | -  | -  | ┢            | H            | Н               | $\dashv$ | -        |          | ⊢            | Н  | $\dashv$ | +        | +        | +    | ╁    | ╁        |   | <u> </u>     | 131        | $\dashv$ | $\dashv$ |          |          |          | $\vdash$        | -        | $\rightarrow$ | ᅱ        |
|          | 32                    | <b>-</b>   | -  |              | _  | _  | _            |              | Н               |          | <u> </u> | 82       | -            | H  |          | -        |          | +    | _    | ╁-       |   |              | 132        |          | -        |          | $\dashv$ | -        | -               | -        | $\dashv$      | ᅱ        |
| •        | 33                    | -          | $\vdash$   | _            | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$     | Н               | $\dashv$ | <u> </u> | 83       | $\vdash$     | $\vdash \vdash$                                  | +        | +        | -        | +    | +    | +        | 1 |              | 133        |          |          |          | $\dashv$ |          | $\vdash$        | -        | $\dashv$      | $\dashv$ |
| _        | 35                    |            | ⊢  | $\vdash$     | $\vdash$   | -  | -            | -            | $\vdash$        | $\dashv$ | -        | 84<br>85 | $\vdash$     | $\vdash \vdash$                                  | -+       | +        | +        | +-   | +    | +-       | 1 |              | 134<br>135 |          | $\vdash$ | -        | $\dashv$ |          | $\vdash$        | $\dashv$ | $\dashv$      | $\dashv$ |
|          |                       | -          | ├-   | <u> </u>     | ⊢  | $\vdash$   | ├-           | -            | $\vdash$        | $\dashv$ | <u> </u> |          | ├-           | $\vdash$   | -        | +        | +        | +    | +    | +        |   |              |            | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ |          | $\vdash$        | -        | $\dashv$      | $\dashv$ |
|          | 36                    | 1          | $\vdash$   | <u> </u>     | ├  | _  | -            |              | $\vdash$        | $\dashv$ | <u> </u> | 86       | $\vdash$     | $\vdash$   |          | -        | +        | +    | +    | $\vdash$ | 1 | <u> </u>     | 136        |          | $\dashv$ | _        |          | -        |                 |          | $\dashv$      | $\dashv$ |
|          | 37                    | 1          | $\vdash$   | <u> </u>     | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$     | Н               | $\dashv$ | <u> </u> | 87       | -            | $\vdash \vdash$                                  | -+       | +        | +        | +    | ╁    | ╁        |   | <u> </u>     | 137        | $\vdash$ | $\vdash$ |          |          | _        | -               |          | $\dashv$      | $\dashv$ |
|          | 38                    | 1          | $\vdash$   | <u> </u>     | ⊢  | $\vdash$   | -            | -            | $\vdash$        | $\dashv$ | -        | 88       | $\vdash$     | $\vdash$   | +        | $\dashv$ | +        | +    | +    | $\vdash$ |   |              | 138        | $\vdash$ | $\dashv$ | -        |          | _        |                 |          | $\dashv$      | $\dashv$ |
|          | 39                    | 1          | -  | ļ            | ├  | H  | -            | $\vdash$     | $\vdash$        | -        |          | 89       | -            | $\vdash$   | $\dashv$ | $\dashv$ | +        | +    | +-   | $\vdash$ |   | <u> </u>     | 139        | $\vdash$ | $\dashv$ | _        |          | _        |                 |          | $\dashv$      | $\dashv$ |
|          | 40                    | 1          | ⊢  | <u> </u>     | <del> </del>                                     |  | <del> </del> | ├-           | $\vdash \vdash$ | $\dashv$ |          | 90       | -            | $\vdash \vdash$                                  | -        | 4        | +        | +    | ╁    | ╁        |   |              | 140        | -        |          | _        |          |          |                 | $\dashv$ | $\dashv$      | $\dashv$ |
|          | 41                    | 1          | -  | <u> </u>     |  | -  | -            | ├-           | $\vdash \vdash$ | -        | _        | 91       | -            | $\vdash \vdash$                                  | +        |          | +        | +-   | +-   | +-       |   |              | 141        | $\dashv$ | $\vdash$ |          |          |          |                 | $\dashv$ | $\dashv$      | $\dashv$ |
|          | 42                    | 1          | $\vdash$   | <u> </u>     | $\vdash$   | -  | <del> </del> |              | $\vdash$        | $\dashv$ |          | 92       | -            | $\vdash$   |          | +        | -        | +    | +    | +-       |   |              | 142        |          |          |          |          |          |                 | $\dashv$ | $\dashv$      | $\dashv$ |
|          |                       | 0          | -  | <u> </u>     | -  | <del> </del>                                     | ├-           | $\vdash$     | Н               | $\dashv$ | -        | 93       | <del> </del> | $\vdash \vdash$                                  | -        | -        | $\dashv$ | +    | ╁    | ╁        |   |              | 143        |          |          |          | _        |          |                 | $\dashv$ | $\dashv$      | $\dashv$ |
|          | 44                    | 0          |  | <u> </u>     | <del>  -</del>                                   | -  | ├—           | <del> </del> | $\vdash \vdash$ |          |          | 94       | <del> </del> | $\vdash \vdash$                                  | -        | $\dashv$ | +        | +    | +    | $\vdash$ |   |              | 144        |          | $\vdash$ |          |          |          | $\dashv$        | $\dashv$ | $\dashv$      | 4        |
|          | 45                    | 0          | <u> </u>   | ļ            |  |  | <u> </u>     | $\vdash$     | $\vdash \vdash$ |          | -        | 95       |              |  | $\dashv$ | $\dashv$ | +        | +-   | +    | ┼-       |   |              | 145        |          |          |          | _        | }        | $\vdash$        | $\dashv$ | -             | $\dashv$ |
|          |                       | 0          | $\vdash$   | <u> </u>     | $\vdash$   | $\vdash$   | ├-           |              |                 |          | <u> </u> | 96       | -            | $\vdash \vdash$                                  | $\dashv$ | +        | +        | +    | +    | ┼-       |   | <u> </u>     | 146        | $\sqcup$ | $\vdash$ |          |          |          | $\vdash$        |          | $\dashv$      | $\dashv$ |
|          | 47                    | N          | ⊢-   |              | ├  | -  | ├-           | $\vdash$     | $\vdash$        | $\dashv$ |          | 97       |              |  | -        | +        | +        | +    | +-   | $\vdash$ |   |              | 147        |          |          |          |          |          | $\vdash$        | $\dashv$ | $\dashv$      | 긕        |
|          | 48<br>49              | N          | $\vdash$   |              | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$     | $\vdash$        | $\dashv$ | <b>—</b> | 98       | ├-           | $\vdash$   | -        | +        | +        | +    | ÷    | ┼        | 1 | <u> </u>     | 148        | -        | $\dashv$ |          |          | -        | $\vdash$        |          | $\dashv$      |          |
|          |                       | N          | H  | <u> </u>     | $\vdash$   | $\vdash$   | ├            | -            | $\vdash$        |          | <u> </u> | 99       | -            | $\vdash$   | -        | -+       | +        | +-   | +    | $\vdash$ |   |              | 149        |          | $\dashv$ |          |          |          | $\dashv$        |          | $\dashv$      |          |
|          | 50                    | Z          | l  | L            | L  | 1  | I            |              | 1               |          | 1        | 100      | ı            | i I  | - 1      | - 1      | - 1      | - 1  | 1    |          |   | ı            | 150        | L        | .        | - 1      | - 1      |          |                 | - 1      | 1             |          |